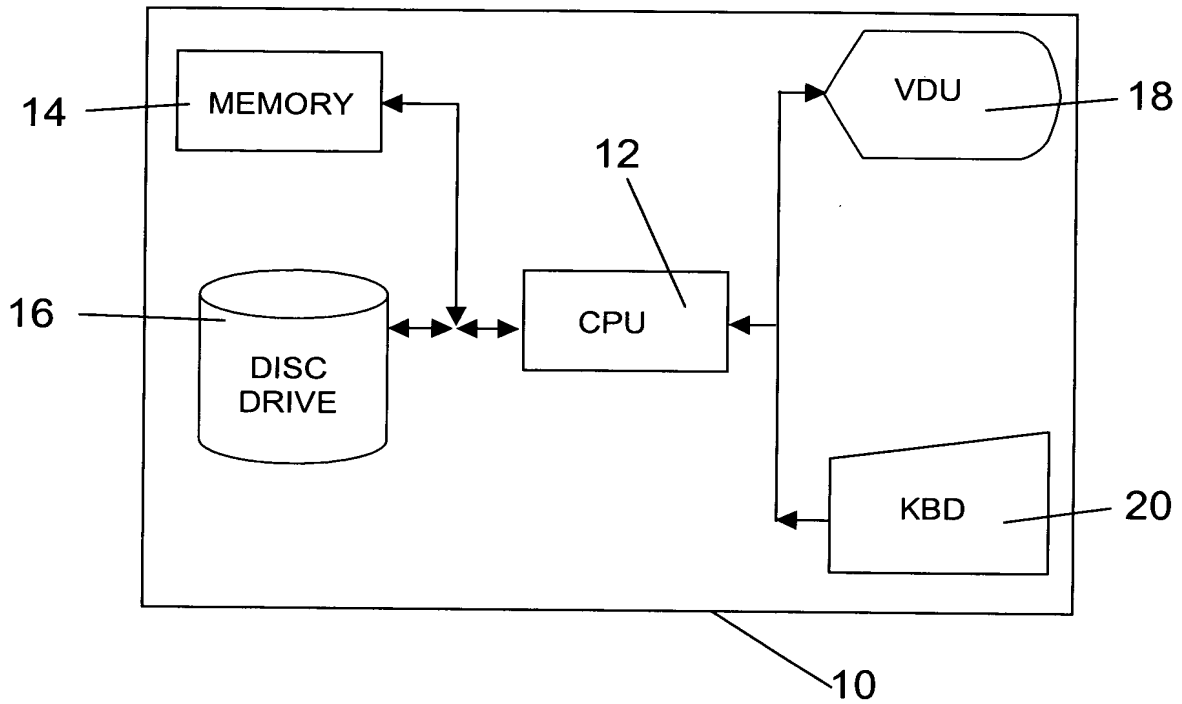
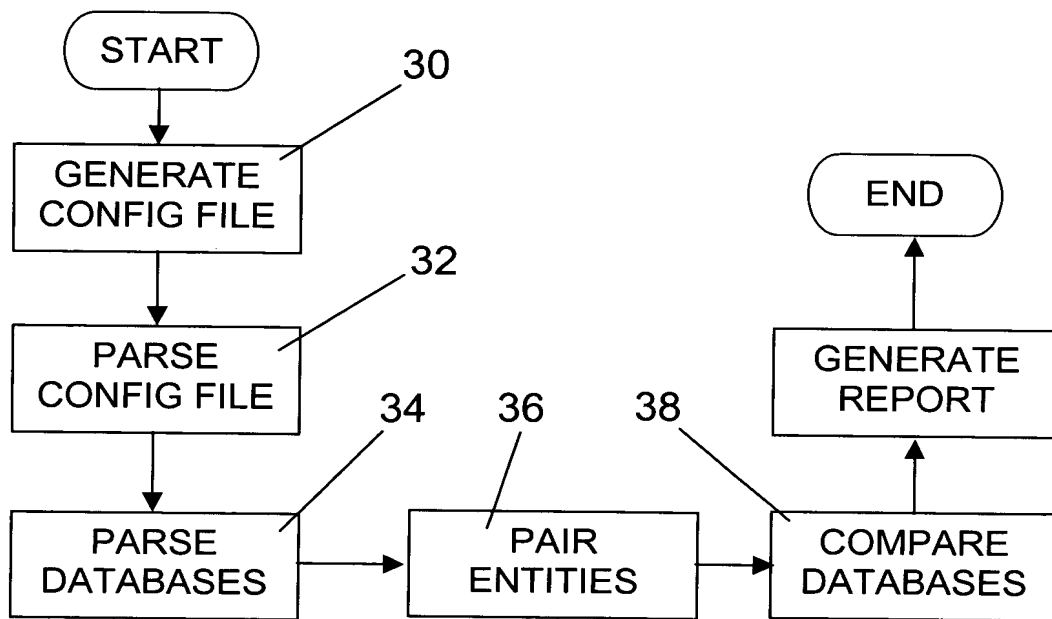


Fig. 1Fig. 2

**DB 1**

40

Parent	
ID	Value
A	1

42

Child 1	
ID	Value
B	2
C	3
D	0

**DB 2**

44

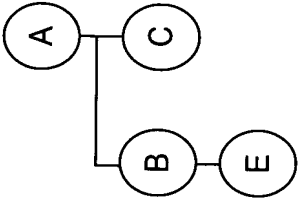
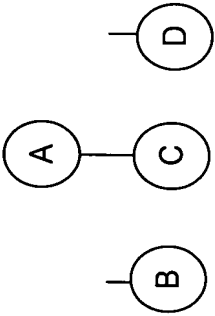
Parent	
ID	Value
A	1

46

Child 1	
ID	Value
B	3
C	0

48

Child 2	
ID	Value
E	1



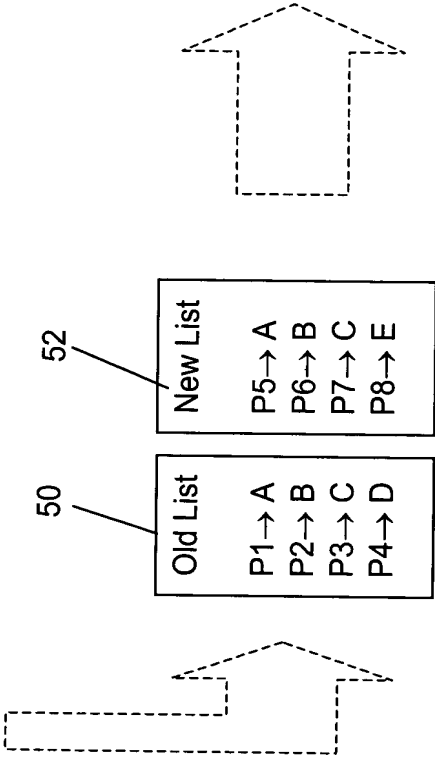
DO 1	
Old ID: A Value:1	New ID: A Value:1

DO 2	
Old ID: B Value:2	New ID: B Value:3

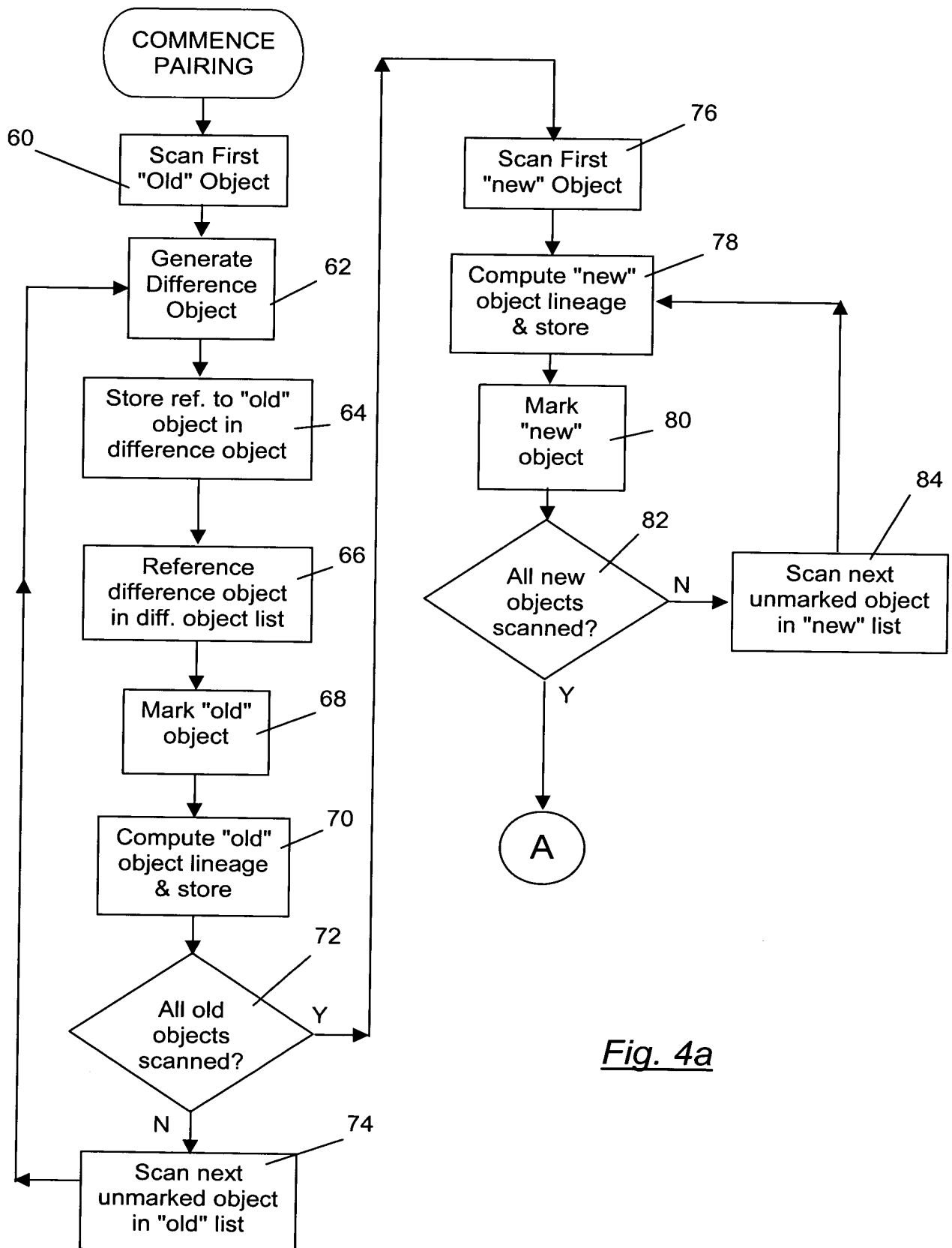
DO 3	
Old ID: C Value:3	New ID: C Value:0

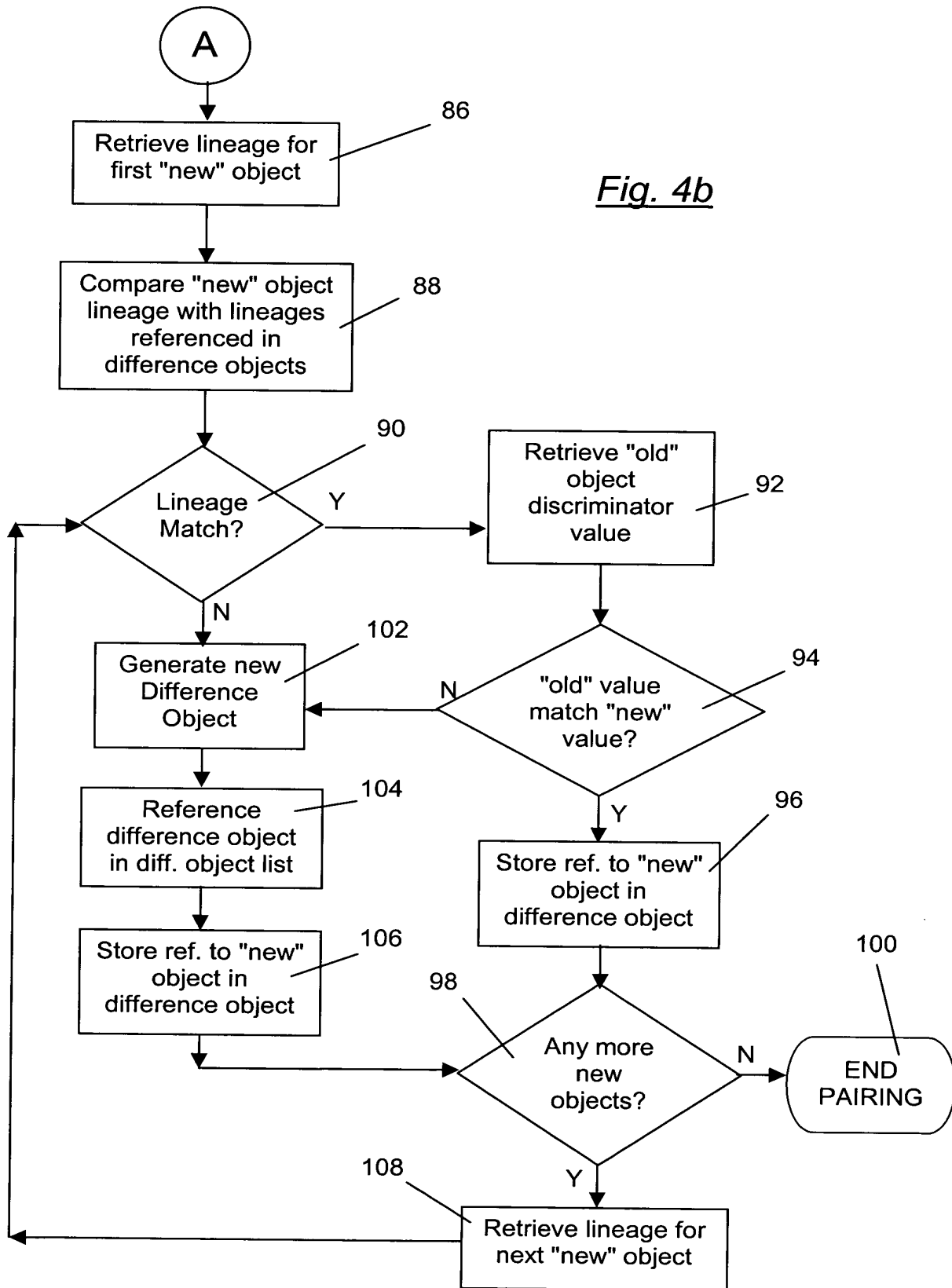
DO 4	
Old ID: D Value:0	New ID: null Value:null

DO 5	
Old ID: null Value:null	New ID: E Value:1



**Fig. 3**

*Fig. 4a*



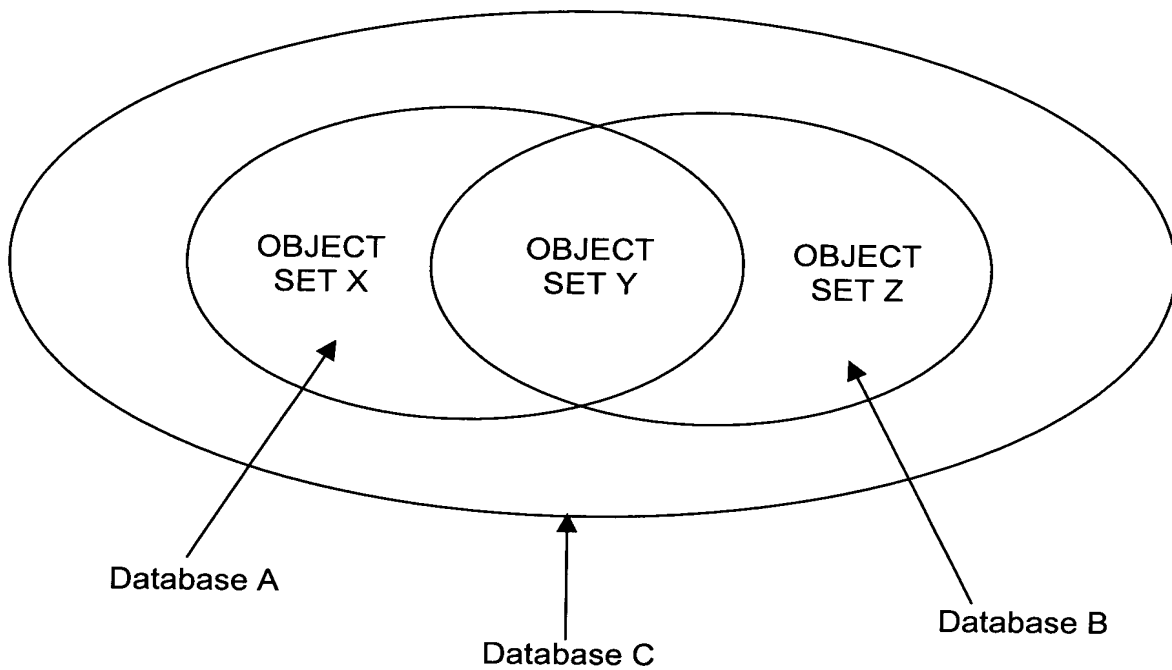
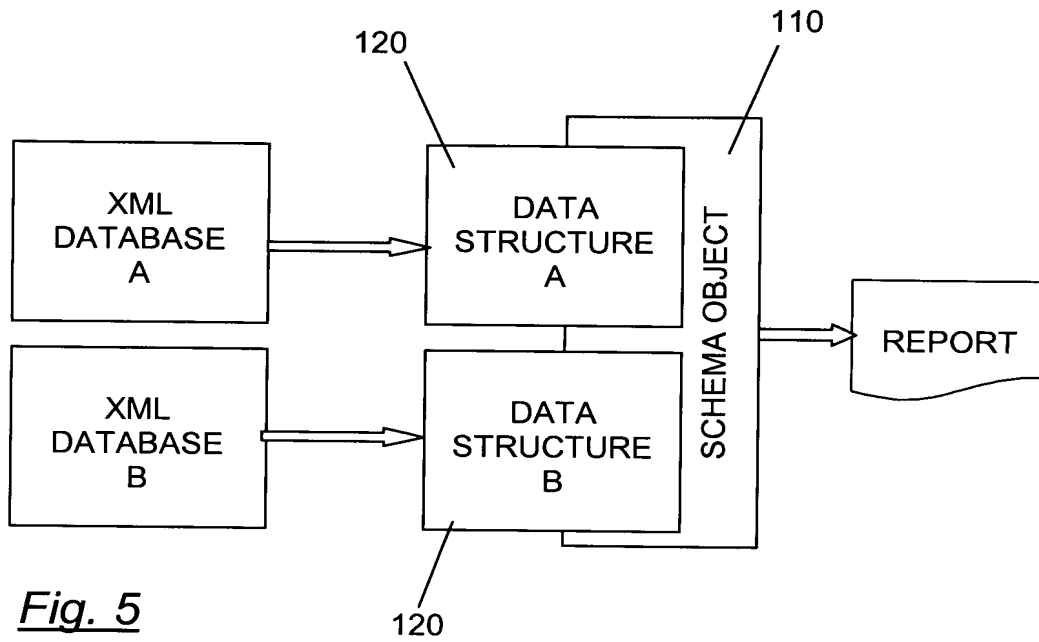


Fig. 6

# BEACH SOLUTIONS XML DATABASE DIFFERENCE REPORT

Fig. 7

'Old' Database = C:/users/mark\_kh/ccm\_wa/beach4/workAreaMark\_kh-1/workAreaMark\_kh/EasiDiff/inputXmlFiles/XML\_Diff\_Eng\_Test\_DB\_1\_0\_8\_Old.xml  
'New' Database = C:/users/mark\_kh/ccm\_wa/beach4/workAreaMark\_kh-1/workAreaMark\_kh/EasiDiff/inputXmlFiles/XML\_Diff\_Eng\_Test\_DB\_1\_0\_8\_New.xml

'Old' Database last modified: 2002 Sep 4 11:36:48  
'New' Database last modified: 2002 Sep 4 11:36:40

Comparison selected to be by "id"

Difference report options set to include:

Unmodified Elements	Modified Elements	Modified Attributes	Deleted Elements	Inserted Elements
---------------------	-------------------	---------------------	------------------	-------------------

Element report options set to include:

Cells	RegisterSets	Registers	RegisterBitFields	Ports	Enumerations	Products	LocatedComponents
-------	--------------	-----------	-------------------	-------	--------------	----------	-------------------

Description filter option set to:

Whole description including embedded tags
---

Report format options set to:

CSV	HTML
-----	------

Report created: 2003 July 24 09:25:39 UTC  
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Element Type	Element Name	Change Type	Attribute Name	Old Attribute Value	New Attribute Value	Ancestral Line
	Cell_Unmod	UNMODIFIED	.	.	.	. cell   cell
	Cell_Mod	MODIFIED Attribute	ShortName	CM	CMM	. cell   cell
	Cell_Mod	MODIFIED Attribute	Version	0	1	. cell   cell
	Cell_Mod	MODIFIED Attribute	DefaultAddressIncrement	1	2	. cell   cell
	Cell_Mod	MODIFIED Attribute	AddressWidth	10	8	. cell   cell
	Cell_Mod	MODIFIED Attribute	DataWidth	32	24	. cell   cell
	Cell_Mod	MODIFIED Attribute	Description	Modified Cell	Cell_Mod's Modified Description	. cell   cell
	Cell_Mod	MODIFIED Element	.	.	.	. cell   cell
	Cell_Del	DELETED	.	.	.	. cell   cell
	Product_Unmod	UNMODIFIED	.	.	.	. product   product
	Product_Mod	MODIFIED Attribute	ShortName	PM	PMM	. product   product
	Product_Mod	MODIFIED Attribute	Prefix	mkh	rkh	. product   product
	Product_Mod	MODIFIED Attribute	Version	0	1	. product   product

	Product_Mod	MODIFIED Attribute	Description	Modified Product	Product_Mod's Modified Description	. product  . product
	Product_Mod	MODIFIED Element	.	.	.	. product  . product
	Product_Del	DELETED	.	.	.	. product  . product
	_default	UNMODIFIED	.	.	.	cell_1:: registerSet  Cell_Unmod:: registerSet
	RegisterSet_Unmod1	UNMODIFIED	.	.	.	cell_1:: registerSet  Cell_Unmod:: registerSet
	_default	UNMODIFIED	.	.	.	cell_2:: registerSet  Cell_Mod:: registerSet
	RegisterSet_Mod1	MODIFIED Attribute	ShortName	SM1	SM1M	cell_2:: registerSet  Cell_Mod:: registerSet
	RegisterSet_Mod1	MODIFIED Attribute	RepeatNumber	1	2	cell_2:: registerSet  Cell_Mod:: registerSet
	RegisterSet_Mod1	MODIFIED Attribute	AddressStep	0y1	0y10	cell_2:: registerSet  Cell_Mod:: registerSet
	RegisterSet_Mod1	MODIFIED Attribute	OffsetAddresses	0y1	0y10	cell_2:: registerSet  Cell_Mod:: registerSet
	RegisterSet_Mod1	MODIFIED Attribute	Description	Cell_Mod's RegisterSet	Cell_Mod's Modified RegisterSet	cell_2:: registerSet  Cell_Mod:: registerSet
	RegisterSet_Mod1	MODIFIED Element	.	.	.	cell_2:: registerSet  Cell_Mod:: registerSet
	_default	DELETED	.	.	.	cell_3:: registerSet  Cell_Del:: registerSet
	RegisterSet_Del1	DELETED	.	.	.	cell_3:: registerSet  Cell_Del:: registerSet
	Bitfield_Unmod	UNMODIFIED	.	.	.	cell_1:: registerSet_1:: registerBitfield  Cell_Unmod:: Register_Unmod:: registerBitfield



	Bitfield_Unmod1	UNMODIFIED	.	.	.	cell_1::registerSet_2::register_2:: registerBitfield  Cell_Unmod::RegisterSet_Unmod1::Register_Unmod1:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	ShortName	BM	BMM	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	Access	readWrite	read	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	LowerBound	0y0	0y1000	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	UpperBound	0y11111	0y10111	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	DestructiveRead	no	yes	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	Independent Read	no	yes	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	Independent Write	no	yes	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	PowerOnResetValue	0y0	0y1	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Attribute	Description	Register_Mod's Bitfield	Register_Mod's Modified Bitfield	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod	MODIFIED Element	.	.	.	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod::default::Register_Mod:: registerBitfield
	Bitfield_Mod1	MODIFIED Attribute	ShortName	BM1	BM1M	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
	Bitfield_Mod1	MODIFIED Attribute	Access	readWrite	write	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
	Bitfield_Mod1	MODIFIED Attribute	LowerBound	0y0	0y1000	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
	Bitfield_Mod1	MODIFIED Attribute	UpperBound	0y11111	0y10111	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield

Bitfield_Mod1	MODIFIED Attribute	DestructiveRead	no	yes	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Independent Read	no	yes	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Independent Write	no	yes	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	PowerOnResetValue	0y0	0y1	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Description	Register_Mod1's Bitfield	Register_Mod1's Modified Bitfield	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Element	.	.	.	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1:: registerBitfield
Bitfield_Del	DELETED	.	.	.	cell_3::registerSet_5::register_5:: registerBitfield  Cell_Del::default::Register_Del:: registerBitfield
Bitfield_Del1	DELETED	.	.	.	cell_3::registerSet_6::register_6:: registerBitfield  Cell_Del::RegisterSet_Del1:: registerBitfield
Register_Unmod	MODIFIED Attribute	Description	Cell_Unmod's <tagName value="old"/> Register	Cell_Unmod's <tagName value="new"/> Register	cell_1::registerSet_1:: register  Cell_Unmod::default:: register
Register_Unmod	MODIFIED Element	.	.	.	cell_1::registerSet_1:: register  Cell_Unmod::default:: register
Register_Unmod1	MODIFIED Attribute	Description	RegisterSet_Unmod1's <tagName value="old"/> Register	RegisterSet_Unmod1's <tagName value="new"/> Register	cell_1::registerSet_2:: register  Cell_Unmod::RegisterSet_Unmod1:: register
Register_Unmod1	MODIFIED Element	.	.	.	cell_1::registerSet_2:: register  Cell_Unmod::RegisterSet_Unmod1:: register
Register_Mod	MODIFIED Attribute	ShortName	RM	RMM	cell_2::registerSet_3:: register  Cell_Mod::default:: register

	Register_Mod	MODIFIED Attribute	Access	readWrite	read	cell_2::registerSet_3::[register] Cell_Mod::_default::[register]
	Register_Mod	MODIFIED Attribute	Width	32	24	cell_2::registerSet_3::[register] Cell_Mod::_default::[register]
	Register_Mod	MODIFIED Attribute	LowerBound	0y0	0y1	cell_2::registerSet_3::[register] Cell_Mod::_default::[register]
	Register_Mod	MODIFIED Attribute	UpperBound	0y0	0y1	cell_2::registerSet_3::[register] Cell_Mod::_default::[register]
	Register_Mod	MODIFIED Attribute	Description	Cell_Mod's Register	Cell_Mod's Modified Register	cell_2::registerSet_3::[register] Cell_Mod::_default::[register]
	Register_Mod	MODIFIED Element	.	.	.	cell_2::registerSet_3::[register] Cell_Mod::_default::[register]
	Register_Mod1	MODIFIED Attribute	ShortName	RM1	RM1M	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Mod1	MODIFIED Attribute	Access	readWrite	write	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Mod1	MODIFIED Attribute	Width	32	24	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Mod1	MODIFIED Attribute	LowerBound	0y0	0y1	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Mod1	MODIFIED Attribute	UpperBound	0y0	0y1	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Mod1	MODIFIED Attribute	Description	RegisterSet_Mod1's Register	RegisterSet_Mod1's Modified Register	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Mod1	MODIFIED Element	.	.	.	cell_2::registerSet_4::[register] Cell_Mod::RegisterSet_Mod1::[register]
	Register_Del	DELETED	.	.	.	cell_3::registerSet_5::[register] Cell_Del::_default::[register]
	Register_Del1	DELETED	.	.	.	cell_3::registerSet_6::[register] Cell_Del::RegisterSet_Del1::[register]

	Enum_Unmod	UNMODIFIED				cell_1::registerSet_1::registerBitfield_1::[enumeration] Cell_Unmod::default::Register_Unmod::Bitfield_Unmod::[enumeration]
	Enum_Unmod1	UNMODIFIED				cell_1::registerSet_2::registerBitfield_2::[enumeration] Cell_Unmod::RegisterSet_Unmod1::Register_Unmod1::Bitfield_Unmod1::[enumeration]
	Enum_Mod	MODIFIED Attribute	Access	readWrite	read	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeration] Cell_Mod::default::Register_Mod::Bitfield_Mod::[enumeration]
	Enum_Mod	MODIFIED Attribute	LowerBound	0y0	0y1	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeration] Cell_Mod::default::Register_Mod::Bitfield_Mod::[enumeration]
	Enum_Mod	MODIFIED Attribute	UpperBound	0y0	0y1	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeration] Cell_Mod::default::Register_Mod::Bitfield_Mod::[enumeration]
	Enum_Mod	MODIFIED Attribute	Description	Bitfield_Mod's Enum	Bitfield_Mod's Modified Enum	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeration] Cell_Mod::default::Register_Mod::Bitfield_Mod::[enumeration]
	Enum_Mod	MODIFIED Element				cell_2::registerSet_3::register_3::registerBitfield_3::[enumeration] Cell_Mod::default::Register_Mod::Bitfield_Mod::[enumeration]
	Enum_Mod1	MODIFIED Attribute	Access	readWrite	write	cell_2::registerSet_4::register_4::registerBitfield_4::[enumeration] Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::[enumeration]
	Enum_Mod1	MODIFIED Attribute	LowerBound	0y0	0y1	cell_2::registerSet_4::register_4::registerBitfield_4::[enumeration] Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::[enumeration]
	Enum_Mod1	MODIFIED Attribute	UpperBound	0y0	0y1	cell_2::registerSet_4::register_4::registerBitfield_4::[enumeration] Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::[enumeration]

	Enum_Mod1	MODIFIED Attribute	Description	Bitfield_Mod1's Enum	Bitfield_Mod1's Modified Enum	cell_2::registerSet_4::register_4::registerBitfield_4:: enumeratio n  Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::  enumeration
	Enum_Mod1	MODIFIED Element	.	.	.	cell_2::registerSet_4::register_4::registerBitfield_4:: enumeratio n  Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::  enumeration
	Enum_Del	DELETED	.	.	.	cell_3::registerSet_5::register_5::registerBitfield_5:: enumeratio n  Cell_Del::default::Register_Del::Bitfield_Del:: enumeration
	Enum_Del1	DELETED	.	.	.	cell_3::registerSet_6::register_6::registerBitfield_6:: enumeratio n  Cell_Del::RegisterSet_Del1::Register_Del1::Bitfield_Del1:: enu meration
	Prod_Unmod_Cell_ Unmod	UNMODIFIED	.	.	.	product_1:: locatedComponent  Product_Unmod:: locatedComponent
	Prod_Unmod_Cell_ Mod	UNMODIFIED	.	.	.	product_1:: locatedComponent  Product_Unmod:: locatedComponent
	Prod_Mod_Cell_Un mod	UNMODIFIED	.	.	.	product_2:: locatedComponent  Product_Mod:: locatedComponent
	Prod_Mod_Cell_De l	DELETED	.	.	.	product_2:: locatedComponent  Product_Mod:: locatedComponent
	Produc_Del_Cell_D el	DELETED	.	.	.	product_3:: locatedComponent  Product_Del:: locatedComponent
	Produc_Del_Cell_ Mod	DELETED	.	.	.	product_3:: locatedComponent  Product_Del:: locatedComponent
	Cell_Ins	INSERTED	.	.	.	. cell  . cell
	Product_Ins	INSERTED	.	.	.	. product  . product
	_default	INSERTED	.	.	.	cell_5:: registerSet  Cell_Ins:: registerSet

RegisterSet_Ins1	INSERTED	.	.	.	cell_5:: registerSet  Cell_Ins:: registerSet
Bitfield_Ins	INSERTED	.	.	.	cell_5::registerSet_9:: register_9:: registerBitfield  Cell_Ins::_default:: Register_Ins:: registerBitfield
Bitfield_Ins1	INSERTED	.	.	.	cell_5::registerSet_10:: register_10:: registerBitfield  Cell_Ins::RegisterSet_Ins1:: Register_Ins1:: registerBitfield
Register_Ins	INSERTED	.	.	.	cell_5::registerSet_9:: register  Cell_Ins::_default:: register
Register_Ins1	INSERTED	.	.	.	cell_5::registerSet_10:: register  Cell_Ins::RegisterSet_Ins1:: register
Enum_Ins	INSERTED	.	.	.	cell_5::registerSet_9:: register_9:: registerBitfield_9:: enumeration  Cell_Ins::_default:: Register_Ins:: Bitfield_Ins:: enumeration
Enum_Ins1	INSERTED	.	.	.	cell_5::registerSet_10:: register_10:: registerBitfield_10:: enumeration  Cell_Ins::RegisterSet_Ins1:: Register_Ins1:: Bitfield_Ins1:: enumeration
Product_Ins_Cell_Ins	INSERTED	.	.	.	product_4:: locatedComponent  Product_Ins:: locatedComponent
Product_Ins_Cell_Mod	INSERTED	.	.	.	product_4:: locatedComponent  Product_Ins:: locatedComponent
Prod_Mod_Cell_Ins	INSERTED	.	.	.	product_2:: locatedComponent  Product_Mod:: locatedComponent